

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Brassart et al.

SERIAL NO: 09/445,796

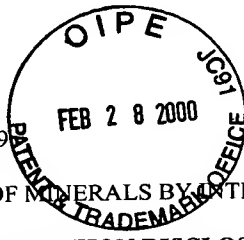
FILED: December 10, 1999

INVENTION: "ABSORPTION OF MINERALS BY INTESTINAL CELLS"

ATTY DOCKET NO.: P99,2625

GROUP ART UNIT: Unknown

EXAMINER: Unknown

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R:

Submitted herewith is a Supplemental Information Disclosure Statement for consideration in the above-identified application. This Supplemental Information Disclosure Statement is submitted:

- ☒ [X] Within three months (1) of filing date of a national application; (2) of date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application; or (3) before the mailing date of a first Office Action on the merits, whichever occurs last. (No fee is required.)
- ☐ [ ] After the mailing date of a first Office Action but before (1) mailing of a final action under 37 C.F.R. §1.113; or (2) mailing of a notice of allowance under §1.311, whichever occurs first.
- ☐ [ ] Payment of the fee set forth in 37 C.F.R. §1.17(p) accompanies this submission; or
- ☐ [ ] The certification specified in 37 C.F.R. §1.97(e) is made below. (No fee is required.)
- ☐ [ ] After the mailing of (1) a final action under 37 C.F.R. §1.113; or (2) notice of allowance under 37 C.F.R. §1.311 whichever occurs first, but before payment of the issue fee. The certification specified in 37 C.F.R. §1.97(e) is made below. The Commissioner hereby is petitioned to consider the Information Disclosure Statement accompanying this submission. Payment for the Petition fee set forth in 37 C.F.R. §1.17(i)(1) accompanies this submission.
- ☐ [ ] The undersigned counsel for applicant(s) hereby certifies each item of information identified in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- ☐ [ ] The undersigned counsel for applicant(s) hereby certifies that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of the statement.
- ☐ [ ] A check in the amount of \$\_\_\_\_\_ to cover any required fee is enclosed.
- ☒ [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Account No. 08-2290. *A duplicate copy of this sheet is enclosed for this purpose.*

Very respectfully,

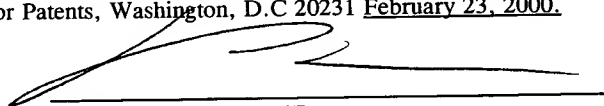
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I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 February 23, 2000.

  
ROBERT M. BARRETT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

APPLICANT: Brassart et al. ATTY DOCKET NO.: P99,2625  
SERIAL NO: 09/445,796 GROUP ART UNIT: Unknown  
FILED: December 10, 1999 EXAMINER: Unknown  
INVENTION: "ABSORPTION OF MINERALS BY INTESTINAL CELLS"

Assistant Commissioner for Patents

Washington, D.C. 20231

S I R:

In accordance with the provisions of 37 C.F.R. 1.56, Applicants request that a citation and examination of the references identified below and on the attached PTO-1449 form, copies of which are enclosed herewith in accordance with 37 C.F.R. 1.98, be made during the course of examination of the above-mentioned application for United States Patent. Applicants reserve the right to antedate any reference that does not constitute a statutory bar.

**U.S. Patent Documents**

<u>Document Number</u>	<u>Inventor</u>	<u>Date</u>
5,296,221	Mitsuoka et al.	March 22, 1994
5,556,785	Kishida	September 17, 1996
5,591,428	Bengmark et al.	January 7, 1997



## Foreign Patent Documents

<u>Document Number</u>	<u>Country</u>	<u>Date</u>
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2,443,247	France	January 3, 1979
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0666031 A2	Europe	August 9, 1995
0199535 B2	Europe	November 2, 1995
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EP 0704164 A2	Europe	April 3, 1996
EP 0818529 A1	Europe	January 14, 1998
EP 0827697 A1	Europe	March 11, 1998
WO 98/09535	PCT	March 12, 1998
WO 98/27825	PCT	July 2, 1998

## Other References

XP002052238: In Fermented Fresh Milk Product, Volume 1, pp 113-116, 1978.

Feher, J.J., Facilitated Calcium diffusion by intestinal calcium-binding protein, Am. J. Physiol., 244, C303, 1983.

Feher, J.J., Comparison of the enhanced steady-state diffusion of calcium by calbindin-D9K and calmodulin: Possible importance in intestinal calcium absorption, Cell Calcium, 10, 189, 1989.

Wasserman, R. et al., On the Molecular Mechanism of Intestinal Calcium Transport, 249, 45-65, Plenum Press, N.Y., 1989.

Bronner, F., Current Concepts of Calcium Absorption: An Overview, J. Nutr., 122: 641-643, 1992.

Bronner, F., Nutrient Bioavailability, with Special Reference to Calcium, J. Nutr., 123, 797-802, 1993.

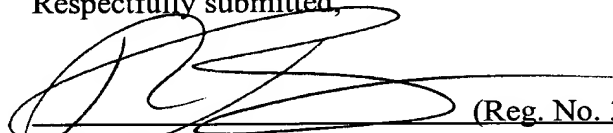
Elsharydah, A. et al., Calcium Transport Mechanism in Human Colonic Apical Membrane Vesicles, Gastroenterology, 1995, 109: 876-884.

Kot, E. et al., Ferrous Iron Oxidation by Lactobacillus acidophilus and Its Metabolic Products, J. Agric. Food Chem., 1995, 43, 1276-1282.

**REMARKS**

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,



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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited in the United States Postal Service, First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on **February 23, 2000.**

